



Ultra Oil

Oil-Fired Water Boiler

User's Information Manual



WARNING Read this manual carefully. Review with your boiler installer to ensure you understand what you must do to properly maintain your boiler. Keep this manual with the boiler.

THE *UltraOil* WATER BOILER — OWNER RESPONSIBILITIES

- 1. Have the boiler and burner installed by a qualified installer.**
- 2. Have the boiler and burner serviced at least annually by a qualified service technician.**
- 3. Review and understand boiler start-up and routine maintenance procedures with the service technician.**
- 4. Perform routine maintenance listed on page 3.**

THE *UltraOil* WATER BOILER — OWNER RESPONSIBILITIES

Operation

DANGER You must adhere to the following to avoid severe personal injury, death or substantial property damage.

Fuel

- Do not use crankcase drainings or any oil containing gasoline. See burner manual for proper fuel oil.
- Never burn garbage or paper in the boiler. Never leave combustible material around boiler.

Do not tamper with burner/controls

- Always follow specific instructions when starting up boiler or performing routine maintenance or service.

Do not start burner if:

- Do not attempt to start burner when excess oil has accumulated in combustion chamber, when unit is full of vapor, or when combustion chamber is very hot.
- Do not start burner unless breeching and burner mounting door are secured in place.

Start-up

1. If burner does not fire, check and correct:
 - Is boiler ON/OFF switch on, and are all other switches feeding boiler turned on?
 - Is fuse or breaker tripped?
 - Is thermostat set above room temperature?
 - Are fuel valves turned on?
 - Is there enough oil in the oil tank?
2. If burner still does not fire, remove the burner cover and press the primary control reset button **ONLY ONCE**. **DO NOT** repeat, because oil will build up in the boiler chamber.

DANGER The burner must never be fired when oil is in the combustion chamber. Immediately call you qualified service technician.

3. If the burner still does not fire, call your qualified service technician.

Maintenance

Beginning of heating season

- ❑ Call a qualified service technician to perform **annual service**.

Every day during heating season

- ❑ **Keep area free of combustible materials:** Check that boiler area is free of combustible materials, gasoline and other flammable vapors and liquids.

Every week during heating season

- ❑ Check for and remove any obstructions to flow of combustion or ventilation air to boiler.
- ❑ Check that breeching is attached between boiler and chimney. If breeching is loose or damaged, immediately turn off boiler ON/OFF switch and call your service technician to repair.
- ❑ Check for oil leaks in oil piping and around the burner. If found, immediately call your service technician to repair.
- ❑ Check for water leaks in boiler and piping. If found, immediately call your service technician to repair.

End of heating season

- ❑ Perform all above daily and weekly procedures. Call your service technician if any problems are found.

Boiler shutdown

- ❑ Do not drain boiler unless exposure to freezing temperatures will occur.
- ❑ Always keep manual fuel supply shut off if burner is shut down for an extended period of time. To do so:
 1. Turn off the ON/OFF switch on the boiler and any external switches feeding the boiler.
 2. Close fuel valves.
 3. Turn off water feed valve.
 4. Cover burner to protect from dust and moisture.

Report problems

- ❑ If you notice any unusual behavior of the boiler or system, contact your service technician to have the problem investigated and corrected.

Weil-McLain Limited Warranties

Residential & Commercial Cast Iron Boilers

- ◆ Residential Water Warranty — Limited Lifetime
- ◆ Residential Steam Warranty — Limited 10 Year
- ◆ Commercial Warranty — Limited 10 Year

First Year — (All Residential & Commercial Cast Iron Boilers) Weil-McLain warrants that its cast iron boilers are free from defects in material and workmanship for one year from date of installation. If any parts are found to be defective from such defects, Weil-McLain will provide replacement of such defective parts.

Second Through Tenth Year — (Residential & Commercial Water/Steam) Weil-McLain warrants that the cast iron sections of its water and steam boilers are free from defects in material and workmanship from the date of installation for the second through the tenth year. If, during such time, any section is found to be defective, Weil-McLain will provide replacement of such defective section(s).

Eleventh Year and Beyond — (Residential Water Only) Weil-McLain warrants that the cast iron sections of its residential water boilers are free from defects in material and workmanship for the eleventh year and beyond from the date of installation. If, during such time period, any section(s) is found to be defective, Weil-McLain will provide replacement of such defective section(s) upon the payment of a proportionate charge based on the time the boiler has been in service. The proportionate charge will be equal to the appropriate percentage of the list price of such section(s) at the time the warranty claim is made, and will be determined as follows: 11th year-5%; 12th year-10%; 13th year-15%; 14th year-20%; 15th year-25%; 16th year-30%; 17th year-35%; 18th year-40%; 19th year-45%; 20th year-50%; 21st year-55%; 22nd year-60%; 23rd year-65%; 24th year-70%; 25th year & beyond -75%.

These warranties do not cover boilers operated with combustion air contaminated externally by chemical vapors or with improper fuel additives, or with water conditions which may have caused unusual deposits in the cast iron sections.

See section "For all Weil-McLain Products" for additional warranty information.

Weil-McLain Ultra Cast Aluminum Boilers

- ◆ Residential Warranty — Limited 15 Year (includes 5-Year Ultra Protection Plan)
- ◆ Commercial Warranty — Limited 15 Year (does NOT include Ultra HPP)

First Through Fifth Year — Weil-McLain warrants that its cast aluminum boilers are free from defects in material and workmanship for one year from the date of installation and the heat exchanger is free from defects in material and workmanship for five years from the date of installation. If any parts in the first year, or the heat exchanger in the first five years are found to be defective from such defects, Weil-McLain will provide replacement of such defective parts or heat exchanger. *In addition to the product warranty, Weil-McLain will provide a 5-Year "Ultra" Homeowner Protection Plan ("UHPP") for residential applications only to cover parts and labor for five years from the date of installation provided only if the Ultra boiler is properly registered with the UHPP Administrator within one month of the date of installation. UHPP claims must be processed directly through the Plan Administrator and not through Weil-McLain.*

Sixth Through Tenth Year — Weil-McLain warrants that the heat exchangers of its cast aluminum boilers are free from defects in material and workmanship for the sixth through the tenth year from the date of installation. If, during such time, the heat exchanger is found to be defective, Weil-McLain will provide replacement of such defective heat exchanger.

Eleventh Through Fifteenth Year — Weil-McLain warrants that the heat exchangers of its cast aluminum boilers are free from defects in material and workmanship for the eleventh through fifteenth year from the date of installation. If, during such time period, the heat exchanger is found to be defective, Weil-McLain will provide replacement for such defective heat exchanger upon the payment of a proportionate charge based on the time the boiler has been in service. The proportionate charge will be equal to the appropriate percentage of the list price of such heat exchanger at the time the warranty claim is made, and will be determined as follows: 11th year - 10%; 12th year - 20%; 13th year - 40%; 14th year - 60%; 15th year - 80%; 16th year & beyond - 100%.

This warranty does not cover boilers operated with combustion air contaminated externally by chemical vapors or with improper fuel additives, or with water/system conditions which may have caused heat exchanger failure.

See section "For all Weil-McLain Products" for additional warranty information.

For All Weil-McLain Products: These warranties are subject to the condition that the Weil-McLain Product(s) must have been installed in accordance with manufacturers' instructions by a heating contractor whose principal occupation is the sale and installation of plumbing, heating and/or air conditioning equipment. These warranties extend only to the first retail purchaser of the products and only to a product that has not been moved from its original installation site.

In addition to each product warranty listed, Weil-McLain warranties do not cover:

1. Components that are part of the heating system (products) but were not furnished by Weil-McLain as a part of the heating system (products).
2. The workmanship of any installer of Weil-McLain's product(s). In addition, this warranty does not assume any liability of any nature for unsatisfactory performance caused by improper installation.
3. Any costs for labor for removal and reinstallation of the alleged defective part, transportation to Weil-McLain, if necessary, and any other materials necessary to perform the exchange.
4. Any products that have a failure or malfunction resulting from improper or negligent operation, accident, abuse, freezing, misuse, unauthorized alteration or improper repair or maintenance.
5. Improper adjustments (including boiler/burner), control settings, care or maintenance. Information is in the installation, start-up, operations, owner/user's manuals, service/maintenance instructions, and other printed/technical information provided with the product or direct from Weil-McLain or weil-mclain.com.

Indirect-Fired Water Heaters

- ◆ Residential Water Heater Warranty — Limited Lifetime
- ◆ Commercial Water Heater Warranty — Limited 15 Year

First Year — (Residential and Commercial Water Heaters) Weil-McLain warrants that its indirect-fired water heaters are free from defects in material and workmanship for one year from the date of installation. If any parts are found to be defective from such defects, Weil-McLain will provide replacement of such defective parts.

Second Year and Beyond — (Residential Only)

Second Through Fifth Years — (Commercial Only)

Weil-McLain warrants that the tank assembly components of its indirect-fired water heaters are free from defects in material and workmanship for the second through the fifth year from the date of installation (commercial only), or for the second year from the date of installation and beyond (for residential only). If, during such time periods, a leak in the tank assembly should occur, Weil-McLain will provide replacement for the original tank assembly.

Sixth Year through Fifteenth Year — (Commercial Only) Weil-McLain warrants that the tank assembly components of its commercial indirect-fired water heaters are free from defects in material and workmanship for the sixth year through the fifteenth year following the date of installation. If, during such time period, a leak in the tank assembly should occur, Weil-McLain will provide replacement for such defective tank assembly. Such replacement will be furnished with the nearest comparable model available from Weil-McLain at the time of such replacement and upon payment of a proportionate charge. Proportionate charges will be equal to the appropriate percentage of the current list price of such commercial indirect-fired water heater at the time warranty claim is made and will be determined as follows: 6th & 7th year-55%; 8th & 9th year-60%; 10th & 11th year-65%; 12th & 13th year-70%; 14th & 15th year-75%.

These warranties do not cover:

1. Any water heater not initially installed with a new temperature-pressure relief valve bearing the listing of the American Society of Mechanical Engineers (A.S.M.E.) at the time of the water heater installation.
2. Any water heater that has a failure or malfunction resulting from a.) failure to keep the tank full of potable water; b.) failure to assure that water in the tank is free to circulate at all times; or c.) failure to keep the tank free of water sediment or scale deposits.
3. Any water heater that has potable water in the unit with a chloride or chlorine content higher than 80 mg/liter.
4. Any water heater installed in a residence containing any type of water softener system that is not installed and maintained in accordance with manufacturer's specifications.
5. Any water heater installation where non-metallic piping products without an oxygen barrier are used.
6. Any water heater used for non-potable application such as pool or process heating.

See section "For all Weil-McLain Products" for additional warranty information.

Radiant Heating Products

- ◆ Radiant Heating Products Warranty — Limited 30 Year
- ◆ IPP & IPC Products Warranty — Limited 3 Year

Weil-McLain warrants that its AlumiPex and Qual-Pex radiant heating products are free from defects in material and workmanship for thirty years (three years for IPP and IPC products) from the date of installation. If any parts are found to be defective from such defects during such time period, Weil-McLain will provide replacement of such defective parts. It is expressly understood that failure as a result of freezing of water within the pipes (tubing) does not constitute a defect in material or workmanship and shall not be covered by this warranty.

See section "For all Weil-McLain Products" for additional warranty information.

Parts and Accessories

- ◆ Parts and Accessories Warranty — Limited 1 Year

Weil-McLain warrants that parts and accessories that were purchased through Weil-McLain are free from defects in material and workmanship for one year from the date of installation. If any parts and/or accessories are found to be defective from such defects during such time period, Weil-McLain will provide replacement of such defective parts. Parts and accessories covered under this warranty include only those items that are not covered under other Weil-McLain product warranties.

See section "For all Weil-McLain Products" for additional warranty information.

NOTE: Residential warranties do not cover any residential products installed in buildings other than one or two family dwelling units, unless they are buildings with individual residential products for each dwelling unit.

THE WARRANTIES DESCRIBED HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY. WEIL-McLAIN EXPRESSLY DISCLAIMS AND EXCLUDES ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, INDIRECT OR PUNITIVE DAMAGES FOR BREACH OF ANY EXPRESS WARRANTY. For prompt product warranty claims, notify the installer who, in turn, will notify the Weil-McLain distributor from whom he purchased the boiler. If this action does not result in warranty resolution, contact Weil-McLain Consumer Relations Department, 500 Blaine Street, Michigan City, Indiana 46360, with details in support of the warranty claim. Alleged defective part or parts must be returned through the same trade channel in accordance with the Weil-McLain procedure currently in force for handling returned goods for the purpose of inspection to determine cause of failure. Weil-McLain will furnish new part(s) to an authorized Weil-McLain distributor who, in turn will furnish the new part(s) to the heating contractor who installed the boiler. If you have any questions about the coverage of this warranty, contact Weil-McLain at the address above.



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